

SEWERAGE (42)

MISSION, GOALS AND BUDGET SUMMARY

AGENCY MISSION:

The mission of the Sewerage Division of the Water and Sewerage Department is to treat combined sewerage collected throughout the service area so that the treated effluent is in compliance with the requirements established by the U.S. Environmental Protection Agency and the Michigan Department of Natural Resources.

AGENCY GOALS:

The Sewerage Division is administratively part of the Detroit Water and Sewerage Department maintained as a separate fund in the City of Detroit Accounting System.

AGENCY FINANCIAL SUMMARY:

2002-03 <u>Requested</u>		2001-02 <u>Budget</u>	2002-03 <u>Recommended</u>	Increase (Decrease)
\$ 200,763,159	Departmental Operations	\$ 203,085,410	\$ 201,937,522	\$ (1,147,888)
101,766,400	Debt Service	92,824,000	101,766,400	8,942,400
165,786,403	Capital Appropriations	17,438,305	164,612,040	147,173,735
410,000,000	Bonded Capital	446,562,200	410,000,000	(36,562,200)
\$ 878,315,962	Total Appropriations	\$ 759,909,915	\$ 878,315,962	\$ 118,406,047
\$ 468,315,962	Departmental Revenues	\$ 399,909,915	\$ 468,315,962	\$ 68,406,047
410,000,000	Sale of Bonds	360,000,000	410,000,000	50,000,000
\$ 878,315,962	Total Revenues	\$ 759,909,915	\$ 878,315,962	\$ 118,406,047
\$ -	NET TAX COST:	\$ -	\$ -	\$ -

AGENCY EMPLOYEE STATISTICS:

2002-03 <u>Requested</u>		2001-02 <u>Budget</u>	04-01-02 <u>Actual</u>	2002-03 <u>Recommended</u>	Increase (Decrease)
<u>1,498</u>	City Positions	<u>1,499</u>	<u>1,141</u>	<u>1,477</u>	(22)
1,498	Total Positions	1,499	1,141	1,477	(22)

ACTIVITIES IN THIS AGENCY:

	2001-02 <u>Budget</u>	2002-03 <u>Recommended</u>	Increase (Decrease)
Administrative Services	\$ 20,833,561	\$ 24,763,325	\$ 3,929,764
Financial Services	12,859,560	10,491,760	\$ (2,367,800)
Facilities Management	18,738,335	19,013,006	\$ 274,671
Engineering Services	6,070,753	3,387,079	\$ (2,683,674)
Sewer Operations	142,718,335	144,282,352	\$ 1,564,017
Sewerage - Capital and Debt Service	558,689,371	676,378,440	\$ 117,689,069
	\$ 759,909,915	\$ 878,315,962	\$ 118,406,047

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ADMINISTRATIVE SERVICES ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: ADMINISTRATIVE SERVICES

The role of the Administrative Support Group is to support the mission and goals of the department. The Administrative Support Group is responsible for carrying out the policies of the Board and the business management of the department, including training, public relations, safety, and public awareness programs. This group consists of eight (8) major divisions: Administration, Public Affairs, Document Management, Security, Office of Program Management, Information Systems Management Division, Purchasing and the Contracts and Grants Division.

The **Public Affairs Division** is primarily responsible for compiling and disseminating public information and materials relative to the department's activities through audio visual, media relations, public relations, and marketing. This division also provides retail and wholesale customers, and all national and international stakeholders, accurate and up to date information regarding the department's services and accomplishments and any concerns they may have regarding the Water and Sewerage Department. Public Affairs provides complete audio/visual services for DWSD and produces videotaped public service announcements for multimedia broadcast.

The **Document Management Division** is responsible for disseminating information in a timely and efficient manner for Detroit Water and Sewerage internal customers. The division will be responsible for a comprehensive department wide program for Records Management, which includes, but is not limited to: development and management program, records appraisal, retention and disposition, records protection, records and information management technology.

The **Security Division** is responsible for providing a safe and secure working environment.

The **Office of Program Management (OPMA) Division** serves as an administrative support division for the Office of the Director; serves as DWSD's distribution center for information of various regulatory compliance relative to EPA, DOT, OSHA, MIOSHA, MDEQ, and other applicable legislative requirements; coordinates various regulatory reports that includes SARA Title III, MAERS, Process Safety Management Plans, Risk Management Plans; monitors and coordinates court related activities; selected special projects, such as, Invoice Processing; Measurement and Performance System Online Reporting; maintains a resource library; maintains Water and Wastewater Service Contracts and Agreements; coordinates and participates in education and outreach activities, and acts as a liaison between DWSD Divisions and regulatory agencies regarding regulatory and environmental issues. Other activities include administering the Department's PCB/Mercury Minimization Program, Wastewater System Operational Plan, Environmental Response, Hazardous Waste Removal and Disposal, PCB Equipment Management, and the Underground and Aboveground Storage Tank Program.

The **Contracts and Grants Division** is divided into four (4) major sections: Consultant Contracts, Construction Contracts/State Revolving Fund (SRF) Contracts, and Contracts Audit. Both Consultant, Construction/SRF sections prepare advertisements and contract documents, monitor progress on contract work, including payment and reports, and provide closeout services. The Audits Section provides contract monitoring, closeout, and regular audit functions for construction, consultant services, and construction management projects. Also, the Detroit-Based/Small Business Enterprise (DBB/SBE) section monitors targeted enterprise participation on contracts, which is mandated by Executive Orders and City Ordinances.

The **Purchasing Division** has the major responsibility of coordinating the purchasing process both within the department and in serving as the liaison with the Finance Department's Purchasing Division on the behalf of other departmental suborganizations.

The **Information Systems Management Division** centralizes and expands current system/software application LAN/WAN network, related technical and system hardware support services within the department. The department has migrated to a client-server open systems environment using an Oracle database platform which supports some of the existing applications/systems, and a few which are still functioning in the mainframe environment which interfaces with current city applications supported by ITS.

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ACTIVITY GOALS:

1. To implement the policies of the Board, Charter requirements and Federal mandates for supplying water and sewerage services.
2. To provide an adequate level of trained personnel to operate the water and sewerage systems.
3. To implement a comprehensive agency-wide reference source.
4. To ensure widespread internal knowledge of key messages and to develop a well informed employee base.
5. To educate and inform both retail and wholesale customers and the community about important DWSD projects, initiatives, and water and wastewater issues.
6. Provide adequate technical support services for department-wide information system applications, microcomputers/servers, network and database administrative functions and facilitate interfaces with city information system activities.

MAJOR INITIATIVES:

To upgrade the department's EMPAC system and to successfully interface the system upgrade with the City of Detroit's "re-installed" Oracle Financial system.

PLANNING FOR THE FUTURE:

To upgrade the water and sewer facility and system security.

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ADMINISTRATIVE SERVICES MEASURES AND TARGETS

Goals: Measures	1999-00 Actual	2000-01 Actual	2001-02 Projection	2002-03 Target
Inform the public of agency operations:				
City populations served	1,027,970	951,270	951,300	951,400
Suburban populations served	2,046,882	2,051,953	2,057,950	2,061,700
City services	277,500	277,530	277,800	277,900
Suburban services	976,019	976,550	976,600	976,700
Obtain timely approvals of grant amendments and/or loan applications from State and Federal agencies:				
Number of grant applications/amendments	0	0	0	0
Value of grant applications/amendments	0	0	0	0
Number of State Revolving Loan Fund applications	4	1	1	1
Value of loan applications	\$184,230,000	\$135,665,000	\$48,000,000	\$56,312,000
Activity Costs	\$17,223,592	\$18,198,464	\$20,833,561	\$24,763,325

CITY OF DETROIT
Sewerage Department
Financial Detail by Appropriation and Organization

Office of the Director Administration	2001-02 Redbook		2002-03 Dept Final Request		2002-03 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
00089 - Administration						
421010 - Office of the Director	0	\$619,255	0	\$703,816	0	\$2,004,295
421020 - Public Relations	0	\$1,264,796	0	\$1,202,278	0	\$1,281,802
421030 - Document Management	0	\$220,902	0	\$227,224	0	\$231,821
421040 - General Staff Services	0	\$7,465,791	0	\$5,830,366	0	\$4,898,359
421050 - General Departmental Services	0	\$4,170,000	0	\$3,529,818	0	\$3,471,785
421060 - Human Resources	0	\$1,339,407	0	\$148,020	0	\$26,246
421070 - Safety	0	\$9,240	0	\$498,578	0	\$342,550
421080 - Security	0	\$2,731,704	0	\$3,561,236	0	\$3,561,236
421090 - Office of Program Management Assist	27	\$3,012,466	28	\$2,447,201	27	\$2,389,479
421100 - Print Shop	0	\$0	0	\$234,337	0	\$239,390
421110 - Information Systems Administrative S	0	\$0	0	\$5,825,859	0	\$4,845,224
421190 - Purchasing	0	\$0	0	\$1,203,994	0	\$1,092,193
421200 - Contracts and Grants	0	\$0	0	\$388,389	0	\$378,945
APPROPRIATION TOTAL	27	\$20,833,561	28	\$25,801,116	27	\$24,763,325
ACTIVITY TOTAL	27	\$20,833,561	28	\$25,801,116	27	\$24,763,325

CITY OF DETROIT
Budget Development for FY 2002 - 2003
Appropriations - Summary Objects

	2001-02 Redbook	2002-03 Dept Final Request	2002-03 Mayor's Budget Rec
AC0542 - Administration Services			
<i>A42000 - Sewerage Department</i>			
SALWAGESL - Salary & Wages	3,774,718	6,925,328	5,776,002
EMPBENESL - Employee Benefi	1,411,952	2,401,839	2,130,229
PROFSVCSL - Professional/Con	3,010,000	2,685,437	2,685,437
OPERSUPSL - Operating Suppli	52,736	54,317	54,317
OPERSVCSL - Operating Servic	9,578,697	8,749,167	7,748,886
OTHEXPSSL - Other Expenses	3,005,458	4,985,028	6,368,454
<i>A42000 - Sewerage Department</i>	<i>20,833,561</i>	<i>25,801,116</i>	<i>24,763,325</i>
AC0542 - Administration Services	20,833,561	25,801,116	24,763,325
Grand Total	20,833,561	25,801,116	24,763,325

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FINANCIAL SERVICES ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: FINANCIAL SERVICES GROUP

The Financial Services Group consists of four (4) divisions, which provide general accounting, commercial billing, financial planning and internal audit services for both (Water Supply and Sewage Treatment Operations) within the department. The divisions reporting to the Financial Services Group include the following:

The **Accounting Division** contains several sections which combined are responsible for directing, coordinating, posting, processing and monitoring activities related to cash receipts and disbursements, investments, bank activities, vendor payments, inventory activities and depreciation of property, plant and equipment, year-end closing and financial operation analysis to facilitate preparation of the trial balance and financial statements. In addition, this division coordinates activities related to the annual city audit, provides financial information as processed by the Oracle and FAMIS systems, and performs other related tasks.

The **Commercial Division** is responsible for directing, coordinating, processing, and monitoring DWSD retail and suburban wholesale customer billing and collection activities, collection related to delinquent accounts, processing landlord/tenant agreements, bankruptcy claims and other customer service tasks including meter reads, special payment arrangements, coordinating services with other City agencies, schedule customer billing dispute hearings, and other related activities.

The **Financial Planning Division** is responsible for coordination, development, implementation and monitoring activities related to the DWSD operation and maintenance (O&M) budget, water supply and sewage treatment system service rates and charges, the Capital Improvement Program (CIP) activities, coordination of system revenue bond financing, and other related functions for the department.

The **Internal Audit Division** was established and implemented in FY 1997/98 to facilitate the department's internal efforts to perform operational audits of transactions, procedures, and processes in various areas within DWSD, analysis and/or other investigative tasks. In addition, this section works with the external auditors to facilitate completion of audit activities. This section reports findings, and makes recommendations were necessary to improve performance of operations, accountability, ensure appropriate accounting controls, and safeguard the department's assets.

GOALS:

To develop and implement fair, equitable water and sewage rates and charges to all system customers using uniform rate methodologies.

1. Replace the Customer Billing and Information System to facilitate completely automated billing functions, increase employee training and initiate activities that will to improve revenue billing and collection efforts, and customer service.
2. Improve the integrity and timeliness of posting accounting transactions via the use of the City's Detroit Resource Management System (DRMS), prepare financial statements and perform employee training, and improve customer.
3. Maintain and/or strive to achieve revenue bond credit ratings upgrades for both systems through continual review and improvement of operational, financial and management policies internal and external to the department.
4. Improve budgetary development and monitoring activities via use of enhanced technology (the City's Budget Resource and Support System-BRASS), business processes and continued employee training in all respective areas, and in the long run reduce operational expenditures where possible emphasizing operational efficiency department-wide.
5. Perform appropriate internal audit activities, provide recommendations where necessary to facilitate the improvement of operational performance, accountability, ensure appropriate accounting controls, and safeguard the department's assets.

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MAJOR INITIATIVES:

The Meter Reading Unit completed the Redistricting Project, which began two years ago. This project was implemented in order to restructure meter demographic changes. With the completion of the Redistricting Project, the Meter Readers are able to secure a greater number of reads on accounts daily. This enables us to maintain a tight reading schedule and reduce the number of accounts that must be estimated.

PLANNING FOR THE FUTURE:

The primary goal of the Reorganization Plan will be to provide a more well rounded customer service focus, for the City of Detroit retail and suburban wholesale customers. Under the Reorganization Plan, many of the division's major functions, currently handled by twelve separate sections, will be consolidated. This division will continue to work to develop and implement fair, equitable water and sewage service rates and charges to all system customers using uniform rate methodologies.

CITY OF DETROIT
Sewerage Department
Financial Detail by Appropriation and Organization

Office of Assist Director Financial Service Financial Services Group	2001-02 Redbook		2002-03 Dept Final Request		2002-03 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
00090 - Financial Services Group						
422010 - Office of Assist Director Financial Sen	0	\$237,358	0	\$267,083	0	\$934,023
422020 - Financial Administrative Services	0	\$1,158,569	0	\$867,324	0	\$938,723
422030 - Budget/Fiscal Reporting	0	\$2,288	0	\$9,479	0	\$9,479
422040 - Rates	0	\$1,962	0	\$1,990	0	\$1,990
422050 - Capital Improvement Program	0	\$1,408	0	\$1,436	0	\$1,437
422060 - Word Processing	0	\$1,408	0	\$0	0	\$0
422070 - Print Shop	0	\$114,937	0	\$0	0	\$0
422080 - General Accounting Administrative Se	0	\$1,788,234	0	\$1,733,697	0	\$1,691,131
422090 - Financial Reporting	0	\$180,400	0	\$45,137	0	\$45,137
422100 - Fixed Assets/Inventory/Payables	0	\$245,080	0	\$23,800	0	\$23,800
422110 - Cash Management	0	\$45,320	0	\$39,393	0	\$39,393
422120 - Commercial Operations Administrative	0	\$5,858,046	0	\$5,801,555	0	\$5,801,555
422130 - Customer Billing	0	\$150,000	0	\$278,548	0	\$278,548
422140 - Customer Service Detroit	0	\$31,300	0	\$30,558	0	\$30,558
422150 - Collections	0	\$22,503	0	\$22,543	0	\$22,544
422160 - Addressograph	0	\$565,860	0	\$561,095	0	\$561,095
422170 - Meter Reading	0	\$92,875	0	\$112,347	0	\$112,347
422180 - Information Systems Administrative S	0	\$2,362,012	0	\$0	0	\$0
APPROPRIATION TOTAL	0	\$12,859,560	0	\$9,795,985	0	\$10,491,760
ACTIVITY TOTAL	0	\$12,859,560	0	\$9,795,985	0	\$10,491,760

CITY OF DETROIT
Budget Development for FY 2002 - 2003
Appropriations - Summary Objects

	2001-02 Redbook	2002-03 Dept Final Request	2002-03 Mayor's Budget Rec
AC1042 - Financial Services			
<i>A42000 - Sewerage Department</i>			
SALWAGESL - Salary & Wages	6,644,397	1,682,404	1,624,061
EMPBENESL - Employee Benefi	2,727,131	770,854	816,322
OTHEXPSSL - Other Expenses	3,488,032	7,342,727	8,051,377
<i>A42000 - Sewerage Department</i>	<i>12,859,560</i>	<i>9,795,985</i>	<i>10,491,760</i>
AC1042 - Financial Services	12,859,560	9,795,985	10,491,760
Grand Total	12,859,560	9,795,985	10,491,760

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FACILITIES AND MATERIALS MANAGEMENT OPERATIONS ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: FACILITIES AND MATERIALS MANAGEMENT OPERATIONS

Facilities and Materials Management provides maintenance services and facilities support assistance to its internal customers (i.e., the other five (5) administrative and operational groups) of the Water and Sewerage Department. Activities such as corrective and preventive maintenance for equipment and facilities is directed and coordinated through this group. Other functions include buildings, grounds and plant repair chores, as well as storing or warehousing any inventory for future distribution. This group is also responsible for vehicle fleet management operations and meter calibration and maintenance operations.

Materials Management Division: The mission of the Materials Management Division is to make available a supply of goods and services necessary to support DWSD in its mission at all times, under all conditions, at an optimum value per dollar spent while maintaining public confidence. To accomplish this mission Materials Management recommends policies and procedures, and executes approved policies and procedures, regarding operations and maintenance of fuel dispensing systems, inventory control, stocking of materials, resource recovery and auditing the preceding functions. The division also provides limited moving, transportation and warehousing services for materials and equipment.

Plants, Buildings, Grounds and Mechanical Maintenance Division: This division provides facilities centralized/major maintenance support assistance at all plants (water and wastewater), water booster stations, sewage pumping stations, customer service centers, maintenance/repair yard facilities and administrative buildings for the purposes of housekeeping, grounds keeping, electrical, mechanical, instrumental and other skilled trades or unskilled functions, as necessary. Similarly, also provided is a support base for equipment repair, calibration or replacement, particularly for heating, ventilation and air conditioning units, as well as for pumps, motors, valves, vehicles and support various numerous appurtenances.

Meter Operations Division: This division focuses on the meter reading function of the department, with an emphasis on meter repair, calibration or replacement for water and wastewater clients (wholesale suburban, residential retail and commercial/industrial). This division also provides much needed instrumentation and controls maintenance support related to the operation of the water production/distribution and wastewater collection systems.

GOALS:

1. The Materials Management Division's goals are to continue to improve upon customer satisfaction, improve stores/warehousing operations efficiency/effectiveness (i.e., inventory levels), improve Item Master records, develop a specification catalog, establish target inventory service levels (i.e. reorder points), and balance inventory levels to budgeted cost.
2. The Plants, Buildings, Grounds and Mechanical Maintenance Division's goals are to improve pumping unit (i.e., pump and motor) equipment availability overall (i.e., water distribution and sewage transport systems), improve lawn/grounds maintenance service at water plants, booster stations, pumping stations, improve employees' safety at work locations/sites, and the general efficiency/effectiveness of support functions.
3. The Meter Operations Division's goals are to increase commercial/industrial sewage meter reading accuracy, and to increase wholesale sewage meter reading accuracy to improve the billing and revenue collection stream, by calibrating and maintaining all the meters installed in the system.

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MAJOR INITIATIVES:

- Develop and implement a preventive/predictive maintenance program.
- Complete total water and sewage meter change-out throughout the City of Detroit and the wholesale customer/suburban areas.
- Improvement of service to internal customers by either implementing, establishing, or expanding '**off-shift**' operation.
- Increasing general staff training efforts.
- Reduce and improve the '**Purchasing Item Master**' for goods and services.

PLANNING FOR THE FUTURE (I.E., STRATEGIC):

Facilities Management intends to add new shifts to adequately cover purchasing and materials handling requirements for internal customers during the “off shift” hours. Vehicle management operations upgrade is also planned.

- Proceed with Management Succession Planning.
- Establish and implement a solid supervisory/management training track that would adequately/prepare staff for leadership roles.
- Continuing to work at filling staffing vacancies by accessing non-traditional options.

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FACILITIES MANAGEMENT OPERATIONS MEASURES AND TARGETS

Goals: Measures	1999-2000 Actual	2000-2001 Actual	2001-2002 Projection	2002-2003 Target
Materials Management (Stores/Warehousing) - Stock Inventory Levels (Benchmark – 95% stockage) Fuel Procurement/Usage (Gallons)	N/A N/A	96.0% 1,254,183	97.0% 1,300,000	95.0% 1,300,000
Plants, Buildings, Grounds and Mechanical Maintenance - Major Pumping Units Availability – Sewage (Benchmark – 85%) Sites Maintained Acreage Maintained Vehicle Maintenance Performed (Repairs)	N/A 78 1,395 5,850	83.5% 78 1,395 N/A	84.0% 78 1,395 6,000	85.0% 78 1,395 7,500
Operations (Calibration/Testing/Maintenance) - Wholesale Meter Replacement (System Total – 55)	1	4	25	25
Activity Costs	\$16,589,375	\$16,712,895	\$18,738,335	\$19,013,006

CITY OF DETROIT
Sewerage Department
Financial Detail by Appropriation and Organization

Office of Assistant Director of Facilities Management Facilities Management	2001-02 Redbook		2002-03 Dept Final Request		2002-03 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
00161 - Facilities Management						
424010 - Office of Assistant Director of Facilities	0	\$375,190	0	\$380,959	0	\$690,644
424020 - Materials Management Administration	0	\$2,427,353	0	\$2,221,249	0	\$2,047,074
424030 - Purchasing	0	\$86,343	0	\$0	0	\$0
424040 - Wastewater Treatment Plant Stores	0	\$50,295	0	\$34,364	0	\$34,364
424050 - Sewerage Secondary Stores	0	\$0	0	\$3,740	0	\$3,740
424060 - Inventory Control	0	\$4,690	0	\$6,868	0	\$6,868
424070 - Inventory Audit	0	\$2,818	0	\$5,864	0	\$5,864
424080 - Meter Operations	0	\$1,949,126	0	\$2,166,248	0	\$2,229,091
424090 - Meter Records	0	\$3,203	0	(\$340,921)	0	(\$340,921)
424100 - Meter Shop Suburban	0	\$57,706	0	\$70,106	0	\$70,481
424110 - Meter Instrumentation Shop	0	\$65,431	0	\$74,464	0	\$74,708
424120 - Meter Shop Suburban	0	\$6,773,688	0	\$8,478,540	0	\$8,478,540
424130 - Ground Maintenance	0	\$54,215	0	(\$526,499)	0	(\$526,499)
424140 - Field Operations	0	\$3,729,775	0	\$2,767,746	0	\$2,767,746
424150 - Mechanical Maintenance	0	\$1,238,860	0	\$1,549,593	0	\$1,555,968
424190 - Water Board Building	0	\$1,919,642	0	\$1,861,534	0	\$1,915,338
APPROPRIATION TOTAL	0	\$18,738,335	0	\$18,753,855	0	\$19,013,006
ACTIVITY TOTAL	0	\$18,738,335	0	\$18,753,855	0	\$19,013,006

CITY OF DETROIT
Budget Development for FY 2002 - 2003
Appropriations - Summary Objects

	2001-02 Redbook	2002-03 Dept Final Request	2002-03 Mayor's Budget Rec
AC1542 - Facilities Management			
<i>A42000 - Sewerage Department</i>			
SALWAGESL - Salary & Wages	8,891,510	9,644,568	9,514,802
EMPBENESL - Employee Benefi	3,451,850	4,433,095	4,492,314
OPERSUPSL - Operating Suppli	36,850	40,350	40,350
OPERSVCSL - Operating Servic	6,200	5,800	5,800
CAPOUTLSL - Capital Outlays/I	500	2,000	2,000
OTHEXPSSL - Other Expenses	6,351,425	4,628,042	4,957,740
<i>A42000 - Sewerage Department</i>	<i>18,738,335</i>	<i>18,753,855</i>	<i>19,013,006</i>
AC1542 - Facilities Management	18,738,335	18,753,855	19,013,006
Grand Total	18,738,335	18,753,855	19,013,006

SEWERAGE(42)

ENGINEERING SERVICES ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: ENGINEERING SERVICES-SEWER

Engineering Services provides engineering services to the remaining four (4) operational groups within the department. The Engineering Services consists of seven (7) broad functional groups: Engineering/Administrative Support, Wastewater Construction, Wastewater Design, Facilities Design, Water & Sewer Systems, Field Engineering and Combined Service Overflow Groups. A description of each group follows:

The **Engineering Administration** is headed by the General Manager of Engineering Services who advises the Division's engineering and contract administration functions. The General and Assistant Superintendents of Engineering prosecute the day-to-day engineering/contract activities. The Engineering and Administrative Support section provides general support to the Division's other six (6) groups. Support activities include fiscal projection and management, human resources management, material resources management, organizational development and training, statistical operations reporting, project accounting and reporting, and property management.

The **Wastewater Construction Group** inspects construction and alterations of the Wastewater Treatment Plant buildings and equipment for contract conformance. Design documents and this group reviews drawings in coordination with the Wastewater Design Group.

The **Wastewater Design Group** directs and coordinates the preparation of design reports, cost estimates, and plans and specifications, by in-house or consultant forces, and acts as a resource for construction or field engineering staff for projects related to the wastewater system.

The **Facilities Design Group** directs and coordinates the preparation of design reports, cost estimates, and plans and specifications, by in-house or consultant forces, and acts as a resource for construction or field engineering staff efforts for projects related to Department locations and facilities (excluding the Wastewater Treatment Plant).

The **Water & Sewer Systems Group** directs and coordinates the preparation of design reports, cost estimates, plans and specifications for all transmission/distribution mains for water and sewer projects. This group is also responsible for the maintenance of all maps and records associated with the water and sewer system. This group consists of four (4) sections; Urban Design, Planning, Suburban Engineering and Records, and Major Design.

The **Field Engineering Group** plans, directs, and coordinates field engineering personnel in ongoing construction inspection for compliance of water mains, sewers, building construction, and equipment installation contracts; oversees all Water Treatment Plant renovations to check conformance to accepted standards; insures the structural integrity of water systems during new and alteration construction work; initiates change orders; and provides locations stake-out under the "Miss Dig" system.

The **CSO Group** directs and coordinates the preparation or design reports, cost estimates and plans and specification by consultant forces and acts as a resource to the construction or field engineering staff for projects related to CSO.

GOALS:

1. To perform the related functions of these divisions by reasonably and conservatively coordinating and managing resources via each operational group.
2. To insure that all engineering designs are in compliance with all federal, state and local agency requirements.
3. To insure that all water, sewage disposal and wastewater facilities are constructed in conformity with the plans and specifications, and those specifications are functional.

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MAJOR INITIATIVES:

The Wastewater Master Plan will be completed in 02-03, to ascertain what facilities will be necessary over the next fifty years.

PLANNING FOR THE FUTURE:

Plans for the future remain consistent with current year plans.

CITY OF DETROIT
Sewerage Department
Financial Detail by Appropriation and Organization

Office of Assistant Director of Engineering Engineering Services - Sewage	2001-02 Redbook		2002-03 Dept Final Request		2002-03 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
05831 - Engineering Services - Sewage						
423010 - Office of Assistant Director of Enginee	0	\$66,564	0	\$82,422	0	\$82,422
423020 - Engineering Administrative Services	256	\$5,106,560	256	\$3,141,189	256	\$3,142,813
423030 - Field Engineering Group	0	\$74,916	0	\$52,618	0	\$52,618
423040 - Wastewater Design	0	\$83,393	0	\$56,611	0	\$56,611
423050 - Sewerage System	0	\$74,913	0	\$52,615	0	\$52,615
423080 - Contracts and Grants	0	\$664,407	0	\$0	0	\$0
APPROPRIATION TOTAL	256	\$6,070,753	256	\$3,385,455	256	\$3,387,079
ACTIVITY TOTAL	256	\$6,070,753	256	\$3,385,455	256	\$3,387,079

CITY OF DETROIT
Budget Development for FY 2002 - 2003
Appropriations - Summary Objects

	2001-02 Redbook	2002-03 Dept Final Request	2002-03 Mayor's Budget Rec
AC2042 - Engineering Services - Sewage			
<i>A42000 - Sewerage Department</i>			
SALWAGESL - Salary & Wages	5,143,767	2,371,561	2,371,561
EMPBENESL - Employee Benefi	447,117	676,649	678,273
PROFSVCSL - Professional/Con	437,092	454,576	454,576
OPERSUPSL - Operating Suppli	233,217	242,543	242,543
OPERSVCSL - Operating Servic	493,829	503,931	503,931
OTHEXPSSL - Other Expenses	(684,269)	(863,805)	(863,805)
<i>A42000 - Sewerage Department</i>	6,070,753	3,385,455	3,387,079
AC2042 - Engineering Services - Sewage	6,070,753	3,385,455	3,387,079
Grand Total	6,070,753	3,385,455	3,387,079

SEWERAGE (42)

SEWER OPERATIONS ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: SEWER OPERATIONS

Sewerage Plant Operations consists of the Wastewater Treatment Plant and the Industrial Waste Control Division.

A description of each group follows:

1. The Wastewater Treatment Plant is operated on a 24 hour-per-day basis. Operations at the plant include the removal and disposal of solids collected from sewage, disinfection of the wastewater effluent, analysis of wastewater and industrial waste samples to insure compliance with various ordinances, laws, the plant's National Pollutant Discharge Elimination System (NPDES) Permit, and performance of maintenance tasks on plant equipment.
2. The Industrial Waste Control Division regulates the discharge of wastewater into the sewerage system from commercial, industrial and other non-domestic sources. These activities include on-site inspections of facility operations, monitoring of wastewater discharges, issuance of permits with applicable requirements and controls, and enforcement of the City of Detroit Ordinance 23-86, 34-96, and applicable federal and state laws.

GOALS:

Wastewater Treatment Plant

1. The WWTP will start-up and operate new equipment.
2. The WWTP will coordinate ongoing and new CIP construction projects that significantly impact the operation of the WWTP.
3. Following the completion of a major WWTP training assessment, the WWTP will begin to implement necessary changes to the training program. This effort will be coordinated in conjunction with contract PC-744.
4. The WWTP will continue to implement the Cultural Change process.
5. Implementation of the LIMS to automate data handling at the Analytical Lab.
6. The WWTP will continue to rectify the WWTP CIP Program. PC-744 includes an interactive process that supports this planning effort.
7. The lease for MCHT will expire in 2009; a new laboratory facility is needed and a capital project is being defined.

Industrial Waste Control

1. To implement a complete regulatory control program of all non-domestic wastewater released to the Detroit Sewerage System.
2. To initiate appropriate enforcement actions to remedy non-complying discharges, including administrative and legal actions.
3. To protect and preserve the local environment of the City of Detroit and Southeastern Michigan.

MAJOR INITIATIVES:

Throughout FY2001, the Department made great progress in complying with the second amended consent judgment intended to achieve long-term compliance at the Wastewater Treatment Plant. Specifics include:

- A series of capital improvements to the Wastewater Treatment Plant.
- Upgrading the procurement process to ensure timely delivery of treatment chemicals and other supplies.
- Implementation of PC-744, or Program Manager.
- Implementation of training programs for Wastewater Treatment Plant Personnel.

PLANNING FOR THE FUTURE:

Wastewater Treatment Plant

1. The WWTP will continue to evaluate and, if required, integrate the Minergy project or other beneficial reuse possibilities.
2. WWTP staffing and organizational issues will continue to be addressed in Contract PC-744.
3. The WWTP will continue to update plant-wide needs assessment, a planning tool is currently in Revision 1.

Industrial Waste Control

1. Develop Pollution Prevention Program Plans for other Industrial groups.
2. Develop Stormwater Management/Regulation Program Plan for Commercial and Industrial facilities.
3. Develop FOG/Restaurant Grease Control Program.

SEWERAGE (42)

SEWER OPERATIONS MEASURES AND TARGETS

Goals: Measures	1999-00 Actual	2000-01 Actual	2001-02 Projection	2002-03 Target
Meet all Federal, State and local requirements for the clean air and clean water standards:				
Average sewage pumped per day (MGD)	621	696	700	710
Sludge produced (wet tons)	735,700	750,715	755,000	765,800
Tons of materials incinerated (wet)	403,300	548,400	551,600	559,400
Implement a complete regulatory control program of all non-domestic wastewater released into the sewerage system:				
Number of facility inspections	900	900	900	900
Number of wastewater permits	465	425	425	415
Initiate appropriate enforcement actions to remedy no-complying discharges:				
Number of enforcement notices and violations	350	300	300	300
Number of compliance and administrative hearings	50	50	50	50
Number of civil actions initiated	6	4	4	4
Value of penalties/fees assessed	300,000	350,000	350,000	350,000
Protect and preserve the local environment of the city and Southeastern Michigan:				
Number of samples collected	9,000	8,500	8,500	9,000
Number of permits revoked	2	1	1	2
Activity Costs	\$135,879,661	\$133,970,556	\$142,718,335	\$144,282,352

CITY OF DETROIT
Sewerage Department
Financial Detail by Appropriation and Organization

Office of Assistant Director of Wastewater Wastewater Plant Operations	2001-02 Redbook		2002-03 Dept Final Request		2002-03 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
00162 - Wastewater Plant Operations						
425010 - Office of Assistant Director of Wastew	8	\$819,417	14	\$875,274	8	\$1,623,635
425020 - Plant Administration	1081	\$68,793,613	1073	\$65,494,976	1059	\$66,067,451
425030 - Analytical Laboratory	0	\$1,231,000	0	\$2,538,000	0	\$2,538,000
425040 - Control System Engineering	0	\$710,000	0	\$730,500	0	\$730,500
425050 - Computer Services	0	\$1,862,500	0	\$0	0	\$0
425060 - Document Control	0	\$167,400	0	\$217,400	0	\$217,400
425070 - Treatment Plant Maintenance	0	\$8,637,967	0	\$7,514,802	0	\$7,514,802
425080 - Operations Laboratory	0	\$6,674,750	0	\$7,179,508	0	\$7,179,508
425090 - Plant Engineering	0	\$10,000	0	\$20,000	0	\$20,000
425100 - Process Engineering	0	\$11,184,548	0	\$11,332,046	0	\$11,332,046
425110 - Training	0	\$21,100	0	\$84,000	0	\$84,000
425120 - Treatment Operations	0	\$21,874,459	0	\$23,503,300	0	\$23,503,300
425130 - Industrial Waste Control Administratio	0	\$736,906	0	\$736,906	0	\$736,906
425140 - I. W. C. Field Monitoring	127	\$7,121,458	127	\$7,381,955	127	\$7,316,720
425150 - I. W. C. Program Operations	0	\$2,059,301	0	\$2,725,500	0	\$2,725,500
425160 - System Control Center	0	\$1,979,029	0	\$1,579,594	0	\$1,579,594
425230 - Belle Isle	0	\$2,175,000	0	\$2,175,000	0	\$2,175,000
425330 - Central Yard	0	\$5,582,929	0	\$7,958,760	0	\$7,958,760
425340 - East Yard	0	\$24,242	0	\$32,552	0	\$32,552
425350 - West Yard	0	\$22,425	0	\$38,954	0	\$38,954
425360 - North Yard	0	\$19,102	0	\$44,891	0	\$44,891
425370 - Maint - Heavy Repair	0	\$999,782	0	\$0	0	\$0
425380 - Central Service Facility	0	\$11,407	0	\$0	0	\$0
425395 - Puritan / Fenkell	0	\$0	0	\$862,833	0	\$862,833
APPROPRIATION TOTAL	1216	\$142,718,335	1214	\$143,026,751	1194	\$144,282,352
ACTIVITY TOTAL	1216	\$142,718,335	1214	\$143,026,751	1194	\$144,282,352

CITY OF DETROIT
Budget Development for FY 2002 - 2003
Appropriations - Summary Objects

	2001-02 Redbook	2002-03 Dept Final Request	2002-03 Mayor's Budget Rec
AC2542 - Sewer Operations			
<i>A42000 - Sewerage Department</i>			
SALWAGESL - Salary & Wages	64,494,340	66,450,696	65,846,803
EMPBENESL - Employee Benefi	12,031,066	13,621,363	14,623,207
PROFSVCSL - Professional/Con	18,685,728	18,171,659	18,171,659
OPERSUPSL - Operating Suppli	15,249,647	15,212,510	15,212,510
OPERSVCSL - Operating Servic	28,075,380	32,723,986	32,723,986
CAPOUTLSL - Capital Outlays/I	750,000	750,000	750,000
OTHEXPSSL - Other Expenses	3,432,174	(3,903,463)	(3,045,813)
<i>A42000 - Sewerage Department</i>	142,718,335	143,026,751	144,282,352
AC2542 - Sewer Operations	142,718,335	143,026,751	144,282,352
Grand Total	142,718,335	143,026,751	144,282,352

SEWERAGE (42)

SEWERAGE - CAPITAL ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: SEWERAGE - CAPITAL PROGRAM

The capital program for the Sewage Disposal System is a five year plan devoted to replacing, rehabilitating, or improving existing process facilities at the Wastewater Treatment Plant; construction or installation of new facilities at the Wastewater Treatment Plant; rehabilitating sewage pumping stations and major sewers; construction of retention basins and other sewer overflow (CSO) control measures throughout the combined sewer system; replacement of suburban sewage primary measuring devices; replacing or relining deteriorated lateral sewers in the City of Detroit; installing new sewers or re-routing existing sewers to accommodate new development in the Empowerment Zone and throughout the City of Detroit; automating the meter reading function; and upgrading the instrumentation and process control equipment for the Wastewater Treatment Plant and the sewage collection system.

ACTIVITY GOALS:

To provide essential, efficient and user-friendly services by:

1. Continuing to improve, expand, and rehabilitate the Wastewater Treatment Plant to provide a cost and energy efficient sewage treatment facility that meets all water and air quality standards.
2. Continuing to construct combined sewer retention basins, rehabilitate and improve sewage pumping stations and implement other measures for the containment of combined sewer overflow, thereby reducing the frequency and magnitude of combined sewer overflows to the Detroit and Rouge Rivers.
3. Continuing to construct those interceptor and control facilities needed to adequately service all customers, and replacing and rehabilitating suburban wholesale customer primary measuring devices and meter pits to more accurately measure and bill for wastewater treatment service provided.
4. Continuing to replace those lateral sewers in the City of Detroit which are deteriorated or are of insufficient capacity to service customers.
5. Continuing to computerize various wastewater functions to reduce costs and improve operations.

SEWERAGE (42)

SEWERAGE - CAPITAL MEASURES AND TARGETS

Goals: Measures	1999-00 Actual	2000-01 Actual	2001-02 Projection	2002-03 Target
Continue the expansion and improvement of the Wastewater Treatment Plant to provide a cost and energy efficient treatment facility which meets all water and air effluent standards:				
Number of capital projects – Wastewater Treatment Plant	58	63	114	93
Value of capital projects – Wastewater Treatment Plant	106,344,000	196,473,000	225,511,000	314,895,000
Continue to operate and expand facilities for the containment of combined sewer overflows, reducing spills to receiving waters:				
Number of capital projects – not at Wastewater Treatment Plant	37	44	43	29
Value of capital projects - not at Wastewater Treatment Plant	35,040,000	51,145,000	128,921,000	148,240,000
Continue to construct those interceptor and control facilities needed to adequately service all customers:				
Number of capital projects	15	14	18	7
Value of capital projects	401,000	11,232,000	24,403,000	15,540,000
Computerize system processes and functions to improve efficiency and reduce costs through planning and administration:				
Number of capital projects	26	31	51	40
Value of capital projects	7,246,000	16,350,000	42,986,000	46,926,000
Replace those in-City lateral sewers which require an inordinate amount of maintenance or are of insufficient capacity to service customers:				
Number of capital projects	11	11	7	7
Value of capital projects	6,124,000	11,203,000	10,673,000	9,632,000
Total number of ongoing projects	147	163	233	176
Total value of ongoing projects	155,155,000	286,403,000	432,484,000	535,233,000
Activity Costs	\$111,455,943	\$286,634,236	\$558,689,371	\$676,378,440

CITY OF DETROIT
Sewerage Department
Financial Detail by Appropriation and Organization

Bond Principle & Interest Redemption Fund Interest and Bond Redemption	2001-02 Redbook		2002-03 Dept Final Request		2002-03 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
00168 - Interest and Bond Redemption						
427010 - Bond Principle & Interest Redemption	0	\$92,824,000	0	\$101,766,400	0	\$101,766,400
APPROPRIATION TOTAL	0	\$92,824,000	0	\$101,766,400	0	\$101,766,400
00169 - Sewerage System Improvements						
424160 - Purchases-Automotive	0	\$3,082,000	0	\$3,000,000	0	\$3,000,000
424180 - Purchases-General	0	\$5,418,000	0	\$5,500,000	0	\$5,500,000
427030 - Sewerage System Improvements	0	\$10,803,171	0	\$27,757,200	0	\$26,582,840
APPROPRIATION TOTAL	0	\$19,303,171	0	\$36,257,200	0	\$35,082,840
00443 - Extraordinary Repairs and Replacement						
427040 - Extraordinary Repair & Replacement	0	\$1,020,700	0	\$3,323,600	0	\$3,323,600
APPROPRIATION TOTAL	0	\$1,020,700	0	\$3,323,600	0	\$3,323,600
05735 - Sewerage Reserve Deposit						
427025 - Sewerage Reserve Deposit	0	\$1,850,500	0	\$2,634,600	0	\$2,634,600
APPROPRIATION TOTAL	0	\$1,850,500	0	\$2,634,600	0	\$2,634,600
10267 - 1999 Sewerage Bond Series						
427115 - Sewerage Construction Bond Fund Series	0	\$443,691,000	0	\$533,571,000	0	\$533,571,000
APPROPRIATION TOTAL	0	\$443,691,000	0	\$533,571,000	0	\$533,571,000
ACTIVITY TOTAL	0	\$558,689,371	0	\$677,552,800	0	\$676,378,440

CITY OF DETROIT
Budget Development for FY 2002 - 2003
Appropriations - Summary Objects

	2001-02 Redbook	2002-03 Dept Final Request	2002-03 Mayor's Budget Rec
AC3042 - Sewerage - Capital and Debt Service			
<i>A42000 - Sewerage Department</i>			
CAPEQUPSL - Capital Equipmei	8,500,000	8,500,000	8,500,000
OTHEXPSSL - Other Expenses	457,365,371	567,286,400	566,112,040
FIXEDCHGSL - Fixed Charges	92,824,000	101,766,400	101,766,400
<i>A42000 - Sewerage Department</i>	<i>558,689,371</i>	<i>677,552,800</i>	<i>676,378,440</i>
AC3042 - Sewerage - Capital and Debt Ser	558,689,371	677,552,800	676,378,440
Grand Total	558,689,371	677,552,800	676,378,440

CITY OF DETROIT
Budget Development for FY 2002 - 2003
Appropriation Summary - Revenues

	2000-01 Actuals	2001-02 Redbook	2002-03 Dept Final Request	2002-03 Mayor's Budget Rec	Variance
A42000 - Sewerage Department					
00759 - Sewage Bond Reserve					
461100 - Earnings On Investmer	3,352,659	0	0	0	0
461101 - Unrealized Gain	419,737	0	0	0	0
00759 - Sewage Bond Reserve	3,772,396	0	0	0	0
00838 - State Revenue Sharing - State Revolv F					
461100 - Earnings On Investmer	3,525,910	0	11,302,100	11,302,100	11,302,100
522110 - Project Borrowings	0	83,691,000	123,571,000	123,571,000	39,880,000
00838 - State Revenue Sharing - State	3,525,910	83,691,000	134,873,100	134,873,100	51,182,100
00891 - Sewage Bond Fund Series 1993A					
461100 - Earnings On Investmer	556,304	0	0	0	0
00891 - Sewage Bond Fund Series 19	556,304	0	0	0	0
00956 - Sewage Bond Fund Series 1995A					
461100 - Earnings On Investmer	314,524	0	0	0	0
00956 - Sewage Bond Fund Series 19	314,524	0	0	0	0
00984 - Sewage Bond Fund Series 1997A					
461100 - Earnings On Investmer	12,730	0	0	0	0
00984 - Sewage Bond Fund Series 19	12,730	0	0	0	0
04828 - Revenue - Sewerage Receiving					
440100 - Maintenance & Constr	198,014	0	0	0	0
441100 - Other Labors and Mate	0	600,000	600,000	600,000	0
441110 - Other Lbr & Matl Meter	97,194	0	0	0	0
447235 - Sewage Hi-Str Surchar	3,319,949	0	0	0	0
447245 - Monitor's Fee - lwc	498,260	0	0	0	0
447250 - Sewage Treatment Sal	95,249,128	126,062,888	144,224,523	144,224,523	18,161,635
447255 - Sewage Treatment - W	133,091,590	143,188,866	165,832,050	165,832,050	22,643,184
447260 - Pollutant Surcharges	2,795,419	2,825,557	2,173,305	2,173,305	(652,252)
447280 - Sewage Hi-Str Surchar	5,960,056	0	0	0	0
447285 - Sewage Disposal -Depi	1,714,527	0	0	0	0
447300 - Other Utility Revenue	6,570,136	0	0	0	0
448115 - Other Fees	94,148	3,400,000	4,400,000	4,400,000	1,000,000
448170 - Other Fee-Shut Off-Tur	155,981	0	0	0	0
461100 - Earnings On Investmer	246,435	75,000	75,000	75,000	0
472100 - Other Forfeits And Pen	2,573,270	0	0	0	0
472150 - Other Miscellaneous	2,214,611	0	0	0	0
472220 - Ng Check Service Chai	13,880	0	0	0	0
474100 - Miscellaneous Receipts	0	21,346,604	6,477,584	6,477,584	(14,869,020)
04828 - Revenue - Sewerage Receiving	254,792,598	297,498,915	323,782,462	323,782,462	26,283,547
04829 - Revenue - Sewerage Operation - Mainte					

CITY OF DETROIT
Budget Development for FY 2002 - 2003
Appropriation Summary - Revenues

	2000-01 Actuals	2001-02 Redbook	2002-03 Dept Final Request	2002-03 Mayor's Budget Rec	Variance
A42000 - Sewerage Department					
<i>04829 - Revenue - Sewerage Operation - Mainte</i>					
461100 - Earnings On Investmer	62,280	1,468,100	1,117,500	1,117,500	(350,600)
472150 - Other Miscellaneous	91,247	0	0	0	0
<i>04829 - Revenue - Sewerage Operatic</i>	<i>153,527</i>	<i>1,468,100</i>	<i>1,117,500</i>	<i>1,117,500</i>	<i>(350,600)</i>
<i>00162 - Wastewater Plant Operations</i>					
474100 - Miscellaneous Receipts	46,971	0	0	0	0
<i>00162 - Wastewater Plant Operations</i>	<i>46,971</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
<i>00168 - Interest and Bond Redemption</i>					
461100 - Earnings On Investmer	632,591	6,188,200	6,397,600	6,397,600	209,400
<i>00168 - Interest and Bond Redemptioi</i>	<i>632,591</i>	<i>6,188,200</i>	<i>6,397,600</i>	<i>6,397,600</i>	<i>209,400</i>
<i>00169 - Sewerage System Improvements</i>					
461100 - Earnings On Investmer	581,080	677,300	386,400	386,400	(290,900)
<i>00169 - Sewerage System Improveme</i>	<i>581,080</i>	<i>677,300</i>	<i>386,400</i>	<i>386,400</i>	<i>(290,900)</i>
<i>00443 - Extraordinary Repairs and Replacement</i>					
461100 - Earnings On Investmer	2,384,038	1,761,800	1,758,900	1,758,900	(2,900)
<i>00443 - Extraordinary Repairs and Re</i>	<i>2,384,038</i>	<i>1,761,800</i>	<i>1,758,900</i>	<i>1,758,900</i>	<i>(2,900)</i>
<i>10267 - 1999 Sewerage Bond Series</i>					
461100 - Earnings On Investmer	8,897,440	8,624,600	0	0	(8,624,600)
461101 - Unrealized Gain	2,193,417	0	0	0	0
522100 - Sale Of Bonds	0	360,000,000	0	0	(360,000,000)
<i>10267 - 1999 Sewerage Bond Series</i>	<i>11,090,857</i>	<i>368,624,600</i>	<i>0</i>	<i>0</i>	<i>(368,624,600)</i>
<i>10726 - Sewer Bond Fund - Series 2001</i>					
522100 - Sale Of Bonds	0	0	410,000,000	410,000,000	410,000,000
<i>10726 - Sewer Bond Fund - Series 20</i>	<i>0</i>	<i>0</i>	<i>410,000,000</i>	<i>410,000,000</i>	<i>410,000,000</i>
A42000 - Sewerage Department	277,863,526	759,909,915	878,315,962	878,315,962	118,406,047
Grand Total	277,863,526	759,909,915	878,315,962	878,315,962	118,406,047

**CITY OF DETROIT
MAYOR'S 2002/2003 RECOMMENDED BUDGET**

Sewerage Department

Appropriation	REDBOOK FY		DEPT REQUEST		MAYORS FY	
Organization	2001	2002 FTE	FY 2002	2003 FTE	2002	2003 FTE
Classification						
00089 - Administration						
421090 - Office of Program Management Assistance						
Messenger		1		1		1
Principal Clerk		2		2		2
Head Clerk		1		1		1
Admin Asst GD III		1		1		1
Admin Asst GD IV		1		1		1
Administrative Specialist I		1		3		1
Admin Asst GD II -DWSD		1		1		1
Typist		3		3		3
Senior Typist		3		4		3
Inter Governmental Analyst		3		3		3
Sr Governmental Analyst		3		3		3
Principal Governmental Analyst		2		2		2
Publicist II		1		0		1
Sr Asst Civil Eng - Wastewater		1		1		1
Engineer of Waste System		1		1		1
Eng Support Specialist I		1		0		1
Librarian II - Arts Reference		1		1		1
Total Office of Program Management Assistance		27		28		27
Total Administration		27		28		27
00162 - Wastewater Plant Operations						
425010 - Office of Assistant Director of Wastewater						
Asst Dir - DWSD Wastewater		1		1		1
Senior Typist		1		1		1
Head Governmental Analyst		3		3		3
Engineer of Wastewater System		1		1		1
Head Eng - Water Sys-Operation		1		1		1
Proc Control Center Supervisor		1		1		1
Urban Government Intern		0		6		0
Total Office of Assistant Director of Wastewater		8		14		8

**CITY OF DETROIT
MAYOR'S 2002/2003 RECOMMENDED BUDGET**

Sewerage Department

Appropriation	REDBOOK FY		DEPT REQUEST		MAYORS FY	
Organization	2001	2002 FTE	FY 2002	2003 FTE	2002	2003 FTE
Classification						
00162 - Wastewater Plant Operations						
425020 - Plant Administration						
Manager II - DWSD		1	1		1	
Senior Clerk		34	34		34	
Principal Clerk		3	2		2	
Head Clerk		3	3		3	
Administrative Specialist I		3	3		1	
Admin Asst GD II - DWSD		0	1		2	
Senior Typist		16	16		16	
Senior Stenographer		1	1		1	
Office Management Assistant		4	4		4	
Sr Governmental Analyst		2	2		2	
Inter Data Proc Prog Analyst		7	0		0	
Sr Data Proc Prog Analyst		9	0		0	
Prin Data Proc Prog Analyst		4	0		0	
Senior Training Specialist		2	2		2	
Principal Training Specialist		2	2		2	
Wastewater Systems Trng Specialist		1	1		1	
Sr Promotional Activities Asst		1	1		1	
Associate Civil Eng - Design		10	10		10	
Sr Assoc Civil Eng - Waste		5	5		5	
Engineer of Water Systems		6	6		6	
Assoc Elect Eng - Design		4	8		4	
Sr Assoc Elect Eng- Waste		7	7		7	
Assoc Mech Eng - Waste		9	9		9	
Sr Assoc Mech Eng - Waste		3	3		3	
Water/Wastewater Sys Main		1	1		1	
Assoc Architectural Engineer		1	1		1	
Eng Support Specialist I		1	1		1	
Eng Support Specialist II		3	3		3	
Drafting Technician II		3	3		3	
Drafting Technician III		1	1		1	
Graphic Designer		0	1		0	
Drafting Technician IV		1	0		1	
Sr Asst Industrial Hygienist		0	1		0	
Water Systems Laboratory Aid		3	3		3	

**CITY OF DETROIT
MAYOR'S 2002/2003 RECOMMENDED BUDGET**

Sewerage Department

Appropriation	REDBOOK FY		DEPT REQUEST		MAYORS FY	
Organization	2001	2002 FTE	FY 2002	2003 FTE	2002	2003 FTE
Classification						
00162 - Wastewater Plant Operations						
425020 - Plant Administration						
Water System Chemist	47		40		45	
Senior Water Systems Chemist	13		28		18	
Microbiologist	5		6		5	
Senior Microbiologist	1		1		1	
Asst Sewage Plant Lab Sprv	5		5		5	
Sewage Plant Laboratory Sprv	2		2		2	
Analytical Chemist	42		38		38	
Senior Analytical Chemist	13		13		13	
Park Maintenance Helper	4		4		4	
Park Maintenance Worker	6		6		6	
Park Maintenance Sub-Foreman	1		1		1	
Park Maintenance Foreman	2		2		2	
Building Operator II	12		12		12	
Finish Carpenter	4		4		4	
Carpenter Sub-Foreman	0		1		0	
Bricklayer	4		4		4	
Bricklayer Sub-Foreman	0		1		0	
Finish Painter	0		2		0	
Plumber	29		29		29	
Master Plumber	1		1		1	
Steamfitter	3		3		3	
Building Attendant A	30		30		30	
Senior Building Attendant	2		2		2	
Supervising Bldg Attendant I	2		2		2	
Plant Maintenance Mechanic	57		57		57	
Plant Maintenance Sub-Foreman	24		22		24	
Plant Maintenance Foreman	21		21		21	
Plant Maintenance Sr Foreman	7		7		7	
Mechanical Helper	15		15		15	
Repair Mechanic	34		34		34	
Manager II - Wastewater	2		2		2	
Preventive Maintenance Coordinator	1		1		1	
General Machinist	1		1		1	
Maintenance Millwright	13		13		13	

**CITY OF DETROIT
MAYOR'S 2002/2003 RECOMMENDED BUDGET**

Sewerage Department

Appropriation	REDBOOK FY		DEPT REQUEST		MAYORS FY	
Organization	2001	2002 FTE	FY 2002	2003 FTE	2002	2003 FTE
Classification						
00162 - Wastewater Plant Operations						
425020 - Plant Administration						
General Welder		4		4		4
HVAC Systems Repair Tech		4		4		4
Wastewater Treatment Plant Tech		8		8		8
Water Sys Cntrl Instr Tech		34		34		34
Const Instr Tech Sub-Foreman		10		10		10
Control Instru Tech -Foreman		2		2		2
Vehicle Operator I		4		4		4
Construction Equip Operator		2		2		2
Delivery Driver		3		3		3
Electrical Helper		4		4		4
Elect Repair Worker - General		11		11		11
Elect Worker - General		32		32		32
Elect Worker Sub-Foreman		7		7		7
Elect Worker Foreman		2		2		2
Asst Chief - WWTP		2		2		2
Chief Sewage Plant Engineer		1		1		1
Sewage Plant Attendant		128		128		128
Sewage Plant Operator		130		130		130
Sr Sewage Plant Operator		12		12		12
Asst Head Sewage Plant Operator		79		79		79
Head Sewage Plant Supervisor		26		26		26
Sewage Plant Supervisor		7		7		7
Asst Sewage Plant Oper Supervisor		1		1		1
Sewage Plant Opr Supervisor		2		2		2
Wastewater Plant General Supervisor		1		1		1
Wastewater Process Controller		11		11		11
Total Plant Administration		1,081		1,073		1,059
425140 - I.W.C Field Monitoring						
Manager II - DWSD		1		1		1
Manager I - DWSD		1		1		1
Clerk		1		1		1
Senior Clerk		4		4		4
Principal Clerk		2		2		2

**CITY OF DETROIT
MAYOR'S 2002/2003 RECOMMENDED BUDGET**

Sewerage Department

Appropriation	REDBOOK FY		DEPT REQUEST		MAYORS FY	
Organization	2001	2002 FTE	FY 2002	2003 FTE	2002	2003 FTE
Classification						
00162 - Wastewater Plant Operations						
425140 - I.W.C Field Monitoring						
Head Clerk		1		1		1
Administrative Specialist I		1		1		1
Admin Asst GD II - DWSD		1		1		1
Typist		2		2		2
Senior Typist		3		3		3
Senior Stenographer		1		1		1
Office Management Assistant		2		2		2
Sr Governmental Analyst		4		4		4
Principal Governmental Analyst		2		2		2
Database Administrator		1		1		1
Engineer of Water Systems		1		1		1
Head Eng - Water Sys - Design		1		1		1
Sr Asst Chem Eng Indus Waste		13		13		13
Assoc Chem Eng Wastewater Sys		13		13		13
Sr Assoc Chem Eng-Indust Waste		4		4		4
Chemical Engineer		2		2		2
Eng Support Specialist II		9		9		9
Head Constr Inspector - DWSD		2		2		2
Enviornmental Specialist II		4		4		4
Enviornmental Specialist III		4		4		4
Park Maintenance Worker		1		1		1
Asst Water Sys Investigator		15		15		15
Water Systems Investigator		15		15		15
Sr Indus Wastewater System		6		6		6
Sprv of Indust Waste Control		2		2		2
Building Attendant A		2		2		2
Senior Building Attendant		1		1		1
Bldg Oper Sprv - Grade II		1		1		1
Plant Maintenance Sr Foreman		2		2		2
Water Sys Cntrl Instr Tech		2		2		2
Total I.W.C Field Monitoring		127		127		127

**CITY OF DETROIT
MAYOR'S 2002/2003 RECOMMENDED BUDGET**

Sewerage Department

Appropriation	REDBOOK FY		DEPT REQUEST		MAYORS FY	
Organization	2001	2002 FTE	FY 2002	2003 FTE	2002	2003 FTE
Classification						
05831 - Engineering Services - Sewage						
423020 - Engineering Administrative						
Clerk		6		6		6
Senior Clerk		3		3		3
Principal Clerk		2		2		2
Typist		7		7		7
Senior Typist		6		6		6
Junior Governmental Analyst		2		2		2
Sr Geograph Info Sys Supp Tech		3		3		3
Permit Investigating Clerk- Waste		2		2		2
Assistant Civil Engineer		3		3		3
Sr Asst Civil Eng - Wastewater		17		17		17
Associate Civil Eng - Design		27		27		27
Sr Assoc Civil Eng - Design		17		17		17
Engineer of Water Systems		5		5		5
Head Eng - Water Sys - Design		1		1		1
Head Civil Eng - Field		1		1		1
Assistant Electrical Engineer		1		1		1
Sr Asst Elect Eng - Design		1		1		1
Sr Asst Elect Eng - Wastewater		8		8		8
Assoc Elect Eng - Design		9		9		9
Sr Assoc Elect Eng - Design		6		6		6
Electrical Eng - Design		1		1		1
Assistant Mechanical Engineer		1		1		1
Sr Asst Mech Eng - Wastewater		6		6		6
Sr Asst Mech Eng - Design		1		1		1
Assoc Mech Eng - Design		11		11		11
Sr Assoc Mech Eng - Design		7		7		7
Sewer Systems Sprv Insp		1		1		1
Eng Support Specialist I		7		7		7
Eng Support Specialist II		6		6		6
Drafting Technician III		20		20		20
Drafting Technician IV		1		1		1
Sewer Safety Helper		10		10		10
Asst Sewer Safety Inspector		1		1		1
Sewer Safety Inspector		3		3		3

**CITY OF DETROIT
MAYOR'S 2002/2003 RECOMMENDED BUDGET**

Sewerage Department

Appropriation	REDBOOK FY		DEPT REQUEST		MAYORS FY	
Organization	2001	2002 FTE	FY 2002	2003 FTE	2002	2003 FTE
Classification						
05831 - Engineering Services - Sewage						
423020 - Engineering Administrative						
Construction Inspector		6		6		6
Sr Construction Inspector		31		31		31
Prin Construct Inspector -DWSD		6		6		6
Head Constr Inspector - DWSD		3		3		3
Asst Sewer Inspector - Video Equip		3		3		3
Sewer Inspector - Video Equipment		3		3		3
Student Eng GD II Civil LTD		1		1		1
Total Engineering Adminstrative Services		256		256		256
Total Engineering Services - Sewage		256		256		256
Agency Total		1,499		1,498		1,477